

L4 ANSWER 386 OF 561 CA COPYRIGHT 2004 ACS on STN
 AN 110:120184 CA
 ED Entered STN: 03 Apr 1989
 TI Hydraulic **cement** with high durability and strength
 IN Uchida, Shunichiro; Habara, Toshisuke
 PA Onoda Cement Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C04B007-345
 CC 58-1 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 63248751	A2	19881017	JP 1987-79717	19870402
PRAI	JP 1987-79717		19870402		

AB The hydraulic **cement** contains $11\text{Ca}0.7\text{Al}2\text{O}3.\text{CaX}2$ (X = halogen) 5-30, anhydrite 5-30, $\text{Al}(\text{OH})3$ and/or $\text{Al}2(\text{SO}4)3$ 0.5-10%, and balance Ca silicate and/or siliceous powder at a $(\text{CaO}-3\text{Al}2\text{O}3-\text{SO}3)/\text{SiO}2$ mol ratio .ltoreq.1.7. Thus, **cement**, comprising $11\text{Ca}0.7\text{Al}2\text{O}3.\text{CaF}2$ 13, C3S 27, blast-furnace slag 40, anhydrite 19, and $\text{Al}(\text{OH})3$ 1 wt.%, was mixed with sand, alkali-resistant glass fiber, Mighty 150, $\text{HNO}3$ (as setting retardant), and **water**, molded, and hardened to give a **cement** product having initial, 7-, and 91-day bending strength 240, 320, 290 kg/cm², resp.

ST calcium aluminate hydraulic **cement**; silicate calcium hydraulic **cement**; anhydrite hydraulic **cement**; aluminum hydrixodde hydraulic **cement**; blast furnace slag hydraulic **cement**

IT Glass fibers, uses and miscellaneous
 RL: USES (Uses)
 (**cement** reinforced with, manuf. of